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1 Novel Protocol and its Implementation QKD in Wi-Fi Networks
Xu Huang, Shirantha Wijesekera, Dharmendra Sharma
June 2009 **ICIS '09: Proceedings of the 2009 Eigth IEEE/ ACIS Int Information Science - Volume 00** , Volume 00
Publisher: IEEE Computer Society
Full text available: Publisher Site Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downl

It is the fact that wireless networks have become one of the most widel However, providing secure communication for wireless networks has be cryptography, namely Quantum ...

Keywords: QKD, Wi-Fi, quantum cryptography, BB84

2 Quantum cryptography in practice
Chip Elliott, David Pearson, Gregory Troxel
August 2003 **SIGCOMM '03:** Proceedings of the 2003 conference on Appli protocols for computer communications
Publisher: ACM Request Permissions
Full text available: Pdf (809.93 KB) Additional Information: full citation, abs

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BBN, Harvard, and Boston University are building the DARPA Quantum I end-to-end network security via high-speed Quantum Key Distribution, eavesdropping attacks. ...

Keywords: IPsec, cryptographic protocols, error correction, key agreen cryptography, quantum key distribution, secure networks

3 Quantum networks: from quantum cryptography to quantum architec
Tatjana Curcic, Mark E. Filipkowski, Almadena Chtcheikanova, Philip A. D'A Douglas Cochran
October 2004 **SIGCOMM Computer Communication Review** , Volume 34 Is
Publisher: ACM
Full text available: Pdf (221.26 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 136, Downl

As classical information technology approaches limits of size and functio paradigms for the distribution and processing of information. Our goal i the beginning ...

4 Cost models for overlapping and multiversion structures
Yufei Tao, Dimitris Papadias, Jun Zhang
September 2002 **Transactions on Database Systems (TODS)** , Volume 27
Publisher: ACM Request Permissions
Full text available: Pdf (4.54 MB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 66, Downlo

Overlapping and *multiversion* techniques are two popular frameworks th multiple logical-tree structure in order to support versioning databases. numerous efficient ...

Keywords: Database, index, overlapping and multiversion structures, s

5 System design for a long-line quantum repeater
Rodney Van Meter, Thaddeus D. Ladd, W. J. Munro, Kae Nemoto
June 2009 **IEEE/ ACM Transactions on Networking (TON)** , Volume 17
Publisher: IEEE Press Request Permissions
Full text available: Pdf (997.59 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 40, Downlo

We present a new control algorithm and system design for a network of end protocol architecture. Such a network will create long-distance quar distribution as well as distributed ...

Keywords: purification, quantum information, quantum networking, qu

6 An arbitrary twoqubit computation In 23 elementary gates or less
Stephen S. Bullock, Igor L. Markov
June 2003 **DAC '03:** Proceedings of the 40th annual Design Automation
Publisher: ACM Request Permissions
Full text available: Pdf (122.21 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 14, Downloa

Quantum circuits currently constitute a dominant model for quantum co problem of constructing quantum circuits to implement an arbitrary give two qubits. We pursue circuits ...

Keywords: CNOT, algorithms, circuit decomposition, elementary gates quantum circuits, qubit, synthesis

7 Can quantum mechanics help distributed computing?
Anne Broadbent, Alain Tapp
September 2008 **SIGACT News** , Volume 39 Issue 3
Publisher: ACM

Full text available: Pdf (735.83 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 151, Downlo

We present a brief survey of results where quantum information proces tasks. We describe problems that are impossible to solve using classical help of quantum ...

Keywords: communication complexity, pseudo-telepathy, quantum ga

8 Short seed extractors against quantum storage
Amnon Ta-Shma
May 2009 **STOC '09:** Proceedings of the 41st annual ACM symposium o
Publisher: ACM Request Permissions
Full text available: Pdf (511.02 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 59, Downlo

In the classical *privacy amplification* problem Alice and Bob share inform eavesdropper Charlie. Their goal is to distill this information to a shorte classical ...

Keywords: locally decodable codes, quantum algorithms, random acce

9 Minimax Regret Classifier for Imprecise Class Distributions
Rocío Alaiz-Rodríguez, Alicia Guerrero-Curieses, Jesús Cid-Sueiro
May 2007 **The Journal of Machine Learning Research** , Volume 8
Publisher: MIT Press
Full text available: Pdf (364.38 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Downloa

The design of a minimum risk classifier based on data usually stems fro conditions during training and test are the same: the misclassification c agreement with real costs, ...

10 An introduction to quantum cryptography
Nick Papanikolaou
May 2005 **Crossroads** , Volume 11 Issue 3
Publisher: ACM Request Permissions
Full text available: Html (40.57 KB), Pdf (157.93 KB) Additional Information: full citat

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 271, Downl

11 Unconditional security in quantum cryptography
Dominic Mayers
May 2001 **Journal of the ACM (JACM)** , Volume 48 Issue 3
Publisher: ACM Request Permissions
Full text available: Pdf (394.84 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 250, Downl

Basic techniques to prove the unconditional security of quantum crypto quantum key distribution protocol proposed by Bennett and Brassard [1 on the protocol in ...

Keywords: quantum cryptography, quantum information theory, uncor

12 Split variational inference
Guillaume Bouchard, Onno Zoeter
June 2009 **ICML '09:** Proceedings of the 26th Annual International Conf
Publisher: ACM Request Permissions
Full text available: Pdf (802.11 KB) Additional Information: full citation, abs

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We propose a deterministic method to evaluate the integral of a positive smoothly cut the integral into smaller integrals that are easier to approx approximations for ...

13 Proceedings of the 4th annual workshop on Cyber security and infor strategies to meet the cyber security and information intelligence cha meet the cyber security and information intelligence challenges ahea
Frederick Sheldon, Axel Krings, Robert Abercrombie, Ali Mili
May 2008 **CSIIRW '08:** Proceedings of the 4th annual workshop on Cyl research: developing strategies to meet the cyber security an
Publisher: ACM
Additional Information: full citation, abstract

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As our dependence on the cyber infrastructure grows ever larger, more that compose it become more prone to failures and/or exploitation. Inte and relevance rather ...

14 Open architecture multimedia documents
Brian R. Gaines, Mildred L. G. Shaw
September 1993 **MULTIMEDIA '93:** Proceedings of the first ACM internatic
Publisher: ACM Request Permissions
Full text available: Pdf (265.04 KB), Ps (630.84 KB) Additional Information: full citati

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 78, Downlo

Keywords: digital journals, electronic books, hypermedia, knowledge b publication systems

15 Spherical averages and applications to spherical splines and interpo
Samuel R. Buss, Jay P. Fillmore
April 2001 **Transactions on Graphics (TOG)** , Volume 20 Issue 2
Publisher: ACM Request Permissions
Full text available: Pdf (214.52 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 216, Downl

This article introduces a method for computing weighted averages on sp

respects spherical distance. We prove existence and uniqueness properl iterative algorithms ...

Keywords: Bézier curve, B-spline, barycentric coordinates, least squar quaternions, spherical average, spherical interpolation, spherical mean,

16 Scalar fused multiply-add instructions produce floating-point matrix a penultimate digit

Yves Nievergelt

March 2003 **Transactions on Mathematical Software (TOMS)** , Volume

Publisher: ACM Request Permissions

Full text available: Pdf (219.83 KB) Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 43, Downloa

Combined with doubly compensated summation, scalar fused multiply-a point arithmetic, because they allow for the computation of sums of rea penultimate digit. ...

Keywords: Doubly compensated summation, floating-point arithmetic, arithmetic, provable accuracy, rounding error